

Remarks

Claims 37-54 are in this application. Claims 1-36 were cancelled.

Claims 37, 40 and 41 was amended to replace SEQ ID NO:2 with SEQ ID NO:4. This is supported by the sequence listing that describes SEQ ID NO: 4 as having a length of 177 amino acids. Claim 42 is being amended to replace SEQ ID NO:1 with SEQ ID NO:2. This is supported by the sequence listing that describes SEQ ID NO:2 as having a length of 224 amino acids.

In view of the amendments to the claims, it is applicants' position that the objections to the claims and the rejection under 35 USC 112, second paragraph are moot.

The specification has been amended to capitalize the trademark GENBANK. As shown by the attached description from the US PTO, GENBANK is a service mark and a computerized storage and retrieval service under the auspices of the US Department of Health and Human Services.

This application is a national phase entry of RU03/00473.

According to the action, claims 37-44 are rejected under 35 USC 102 (b) as being anticipated by Fujii et al. (Eur. J. Biochem, Vol. 268, pp. 218-224, 2001) and Kang et al. (The J. of Biol. Chem. Vol. 273, No. 11, pp. 6303-6311, March 13, 1998). This is respectfully traversed.

Claim 37 is novel because it was not known in the art that the claimed DELTA Prx VI hum polypeptide possesses an antioxidant activity. The amino acid sequence of SEQ ID NO:4 and its antioxidant activity is not known in the art. This is supported by the experiments shown in Figure 3 and in example 6 of this application.

Claims 38-41 are novel based on the novelty of claim 37.

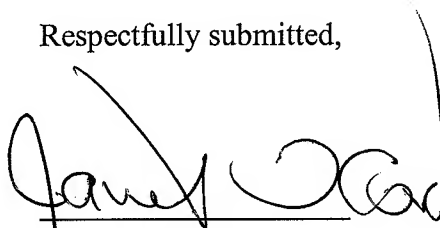
Claims 42-44 are also novel because in addition to the novelty of SEQ ID NO:4 and the activity of this protein, it is not known that dihydrolipoic acid may fulfil the functions of an activating agent for DELTA Prx VI hum polypeptide in vivo and the composition may retain it

properties when introduced in the intermolecular space.

The withdrawn claims 45-54 are also novel in view of the cited references.

Therefore, it is respectfully requested that this rejection be withdrawn.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Janet I. Cord", written over a horizontal line.

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Typed Drawing

Word Mark	GENBANK
Goods and Services	IC 035. US 101. G & S: Computerized Storage and Retrieval Services Dealing with Information Relating to Nucleic Acid Sequence Data. FIRST USE: 19821001. FIRST USE IN COMMERCE: 19821001
Mark Drawing Code	(1) TYPED DRAWING
Serial Number	73408449
Filing Date	January 7, 1983
Current Filing Basis	1A
Original Filing Basis	1A
Published for Opposition	March 20, 1984
Registration Number	1281855
Registration Date	June 12, 1984
Owner	(REGISTRANT) United States Department of Health and Human Services, The government agency UNITED STATES 8600 ROCKVILLE PIKE Bethesda MARYLAND 20894
Type of Mark	SERVICE MARK
Register	PRINCIPAL
Affidavit Text	SECT 15. SECT 8 (6-YR). SECTION 8(10-YR) 20040922.
Renewal	1ST RENEWAL 20040922
Live/Dead Indicator	LIVE

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